CLAIMS

1. A light emitting element comprising a plurality of layers interposed between a pair of electrodes opposed to each other,

wherein at least one of the plurality of layers is formed of a layer containing a light emitting material, and

wherein the layer containing the light emitting material is interposed between a layer containing an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property, and a layer containing an oxide semiconductor or metal oxide and a material having a higher electron transporting property than a hole transporting property.

2. A display device comprises the light emitting element according to claim 1 in a pixel portion.

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3. A light emitting element comprising a plurality of layers interposed between a pair of electrodes opposed to each other,

wherein at least one of the plurality of layers is formed of a layer containing a light emitting material, and

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wherein the layer containing the light emitting material is interposed between a layer containing an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property, and a layer containing an oxide semiconductor or metal oxide, a material having a higher electron transporting property than a hole transporting property and a material which can donate an electron to the material having a higher electron transporting property than a hole transporting property.

4. A display device comprises the light emitting element according to claim 3 in a pixel portion.

5. A light emitting element comprising:

a pair of electrodes; and

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first to third layers sequentially laminated between the pair of electrodes,

wherein the first layer contains an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property,

wherein the second layer contains a light emitting material, and

wherein the third layer contains an oxide semiconductor or metal oxide and a material having a higher electron transporting property than a hole transporting property.

- 6. A light emitting element according to claim 5, wherein the first layer comprises molybdenum oxide and 4,4'-bis[N-(1-naphthyl)-N-phenylamino]biphenyl.
- 7. A display device comprises the light emitting element according to claim 5 in a pixel portion.
 - 8. A light emitting element comprising:

a pair of electrodes; and

first to third layers sequentially laminated between the pair of electrodes,

wherein the first layer contains an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property,

wherein the second layer contains a light emitting material, and

wherein the third layer contains an oxide semiconductor or metal oxide, a material having a higher electron transporting property than a hole transporting property, and a material which can donate an electron to the material having a higher electron transporting property than a hole transporting property.

9. A light emitting element according to claim 8, wherein the first layer

comprises molybdenum oxide and 4,4'-bis[N-(1-naphthyl)-N-phenylamino]biphenyl.

10. A display device comprises the light emitting element according to claim 8 in a pixel portion.

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11. A light emitting element comprising:

a pair of electrodes; and

first to fourth layers sequentially laminated between the pair of electrodes,

wherein the first layer contains an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property,

wherein the second layer contains a light emitting material,

wherein the third layer contains an oxide semiconductor or metal oxide and a material having a higher electron transporting property than a hole transporting property,

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wherein the fourth layer contains an oxide semiconductor or metal oxide, a material having a higher electron transporting property than a hole transporting property, and a material which can donate an electron to the material having a higher electron transporting property than a hole transporting property.

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- 12. A light emitting element according to claim 11, wherein the first layer comprises molybdenum oxide and 4,4(-bis[N-(1-naphthyl)-N-phenylamino]biphenyl.
- 13. A display device comprises the light emitting element according to claim 1125 in a pixel portion.
 - 14. A light emitting element comprising:

a pair of electrodes; and

first to fourth layers sequentially laminated between the pair of electrodes,

wherein the first layer contains an oxide semiconductor or metal oxide and a

material having a higher hole transporting property than an electron transporting property,

wherein the second layer contains a light emitting material,

wherein the third layer contains an oxide semiconductor or metal oxide and a material having a higher electron transporting property than a hole transporting property, and

wherein the fourth layer contains a material having a higher electron transporting property than a hole transporting property and a material which can donate an electron to the material having a higher electron transporting property than a hole transporting property.

- 15. A light emitting element according to claim 14, wherein the first layer comprises molybdenum oxide and 4,4'-bis[N-(1-naphthyl)-N-phenylamino]biphenyl.
- 16. A display device comprises the light emitting element according to claim 14 in a pixel portion.
 - 17. A light emitting element comprising:

a pair of electrodes; and

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first to fourth layers sequentially laminated between the pair of electrodes,

wherein the first layer contains an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property,

wherein the second layer contains a light emitting material,

wherein the third layer contains an oxide semiconductor or metal oxide and a material having a higher electron transporting property than a hole transporting property, and

wherein the fourth layer contains an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property.

- 18. A light emitting element according to Claim 17, wherein the first layer and the fourth layer are formed using the same material.
- 5 19. A light emitting element according to claim 17, wherein the first layer comprises molybdenum oxide and 4,4'-bis[N-(1-naphthyl)-N-phenylamino]biphenyl.
 - 20. A display device comprises the light emitting element according to claim 17 in a pixel portion.

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21. A light emitting element comprising:

a pair of electrodes; and

first to fourth layers sequentially laminated between the pair of electrodes,

wherein the first layer contains an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property,

wherein the second layer contains a light emitting material,

wherein the third layer contains an oxide semiconductor or metal oxide, a material having a higher electron transporting property than a hole transporting property, and a material which can donate an electron to the material having a higher electron transporting property than a hole transporting property, and

wherein the fourth layer contains an oxide semiconductor or metal oxide, a material having a higher electron transporting property than a hole transporting property.

- 22. A light emitting element according to Claim 21, wherein the first layer and the fourth layer are formed using the same material.
- 23. A light emitting element according to claim 21, wherein the first layer comprises molybdenum oxide and 4,4'-bis[N-(1-naphthyl)-N-phenylamino]biphenyl.

24. A display device comprises the light emitting element according to claim 21 in a pixel portion.

25. A light emitting element comprising:

a pair of electrodes; and

first to fifth layers sequentially laminated between the pair of electrodes,

wherein the first layer contains an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property,

wherein the second layer contains a light emitting material,

wherein the third layer contains an oxide semiconductor or metal oxide and a material having a higher electron transporting property than a hole transporting property,

wherein the fourth layer contains an oxide semiconductor or metal oxide, a material having a higher electron transporting property than a hole transporting property, and a material which can donate an electron to the material having a higher electron transporting property than a hole transporting property, and

wherein the fifth layer contains an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property.

26. A light emitting element according to Claim 25, wherein the first layer and the fifth layer are formed using the same material.

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- 27. A light emitting element according to claim 25, wherein the first layer comprises molybdenum oxide and 4,4'-bis[N-(1-naphthyl)-N-phenylamino]biphenyl.
- 28. A display device comprises the light emitting element according to claim 2530 in a pixel portion.

29. A light emitting element comprising:

a pair of electrodes; and

first to fifth layers sequentially laminated between the pair of electrodes,

wherein the first layer contains an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property,

wherein the second layer contains a light emitting material,

wherein the third layer contains an oxide semiconductor or metal oxide and a material having a higher electron transporting property than a hole transporting property,

wherein the fourth layer contains a material having a higher electron transporting property than a hole transporting property and a material which can donate an electron to the material having a higher electron transporting property than a hole transporting property, and

wherein the fifth layer contains an oxide semiconductor or metal oxide and a material having a higher hole transporting property than an electron transporting property.

- 30. A light emitting element according to Claim 29, wherein the first layer and the fifth layer are formed using the same material.
 - 31. A light emitting element according to claim 29, wherein the first layer comprises molybdenum oxide and 4,4'-bis[N-(1-naphthyl)-N-phenylamino]biphenyl.
 - 32. A display device comprises the light emitting element according to claim 29 in a pixel portion.

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